## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	695	\$7ortho\$2ester\$3 and (acid- releas\$3 ((degrad\$6 bio \$1degrad\$5 generat\$6 in-situ produce producing production releas\$4) adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 19:13
L2	560	L1 not Halliburton	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 19:13
L3	122	L2 not (light photolysis photodecomposition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 19:13
L4	99	poly\$2ortho\$2ester\$3 near20 (degrad\$6 bio\$1degrad\$6) near9 hydroly\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 19:31
L5	203	poly\$2ortho\$2ester\$3 near20 hydroly\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 19:33
L6	10693	((polymer\$4 near ortho \$1ester) poly\$2ortho\$2ester \$3) near20 (hydroly\$6 bio \$1degrad\$7 degrad\$6 bio \$1erod\$5 erosion erod\$1ble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:10
L7	8703	6 near20 poly\$1lact\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:12

L8	115	((polymer\$4 near ortho \$1ester) poly\$2ortho\$2ester \$3) near20 (hydrolyz\$6 hydrolysis hydrolytically) near20 (bio\$1degrad\$7 degrad \$6 bio\$1erod\$5 erosion erod \$1ble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:13
L9	38	8 near20 poly\$1lact\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:13
L10	37	8 near20 poly\$1lacti\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:17
L11	10683	((polymer\$4 near ortho \$1ester) poly\$2ortho\$2ester \$3) near20 (hydrolyz\$6 hydrolysis hydrolytically bio \$1degrad\$7 degrad\$6 bio \$1erod\$5 erosion erod\$1ble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:19
L12	10240	6 and (subterranean well (filter near cake) fracturing proppant propping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:21
L13	592	6 and (subterranean well \$1bore (filter near cake) fracturing proppant propping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:21
L14	577	13 not Halliburton	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:21
L15	558	14 and poly\$1lacti\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:22

L16	525	6 and (subterranean well \$1bore (filter near cake) proppant propping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:24
L17	502	15 and (subterranean well \$1bore (filter near cake) proppant propping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:25
L18	8	15 and (subterranean well \$1bore proppant propping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 20:25
S1	9317	\$5ortho\$2ester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:41
S2	559	S1 near3 polyester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:41
S3	339	S1 near polyester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:41
S4	545	S1 near (formula structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:43
S5	2	"20050034861"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:46
S6	3320	poly\$2ortho\$2ester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:47

S7	35	S6 near (formula structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:47
S8	O	(hydrolysis hydrolyz\$3) near3 poly\$2ortho\$2ester near9 (releas\$3 generat\$4) near3 acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:50
S9	28	(hydrolysis hydrolyz\$3) near3 poly\$2ortho\$2ester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:50
S10	16	(hydrolysis hydrolyz\$3) near20 poly\$2ortho\$2ester near20 (releas\$3 generat\$4) near3 acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:51
S11	28	(hydrolysis hydrolyz\$3) near3 poly\$2ortho\$2ester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:55
S12	34		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 16:57
S13	8	poly\$2ortho\$2ester near9 (releas\$4 produc\$5 generat \$5) near acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:00
S14	9	(Halliburton near Energy near Services).as. and poly\$2ortho \$2ester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:04
S15	67	poly\$2ortho\$2ester near9 (degrad\$6 bioerod\$5) near acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:06

S16	77	poly\$2ortho\$2ester near9 (degrad\$6 bioerod\$5) near9 acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:06
S17	1	S16 not (\$5lactic \$5glycolic) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:08
S18	2	poly\$2ortho\$2ester same (releas\$4 produc\$5 generat \$5) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:08
S19	117	\$8ortho\$2ester same (releas \$4 produc\$5 generat\$5) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:11
S20	2714	poly\$2ortho\$2ester same acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:11
S21	360	S20 not (\$5lactic \$5glycolic) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:11
S22	465	\$8ortho\$2ester and (releas\$4 produc\$5 generat\$5) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:13
S23	81	S19 not photolysis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:17
S24	1545	poly\$2ortho\$2ester same (erosion degrad\$5 biodegrad \$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:18

S25	2	poly\$2ortho\$2ester same (hydrolysis hydrolyz\$3 hydrat \$3 erosion degrad\$5 biodegrad \$7) same (releas\$4 produc\$5 generat\$5) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:21
S26	2	poly\$2ortho\$2ester same (releas\$4 produc\$5 generat \$5) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:24
S27	0	poly\$2ortho\$2ester adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:25
S28	2386	poly\$2ortho\$2ester near20 acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:25
S29	254	S28 not (\$5lactic \$5glycolic) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:26
S30	189	poly\$2ortho\$2ester near2 (hydrolysis hydrolyz\$3 hydrat \$3 erosion degrad\$5 biodegrad \$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 17:27
S31	7148	poly\$2ester near2 (hydrolysis hydrolyz\$5 hydrat\$3 erosion degrad\$5 biodegrad\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:32
S32	18864	poly\$2ester near20 (hydrolysis hydrolyz\$5 hydrat\$3 erosion degrad\$5 biodegrad\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:33
S33	36	S32 same (releas\$4 produc\$5 generat\$5) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:33

S34	436	(poly\$1ester ester) near20 (hydrolysis hydrolyz\$5) near20 (releas\$4 produc\$5 generat \$5) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:37
S35	8	S34 same (erosion degrad\$5 biodegrad\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:38
S36	8	S34 same (erosion degrad\$5 bio\$1degrad\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:38
S37	2	S34 same (erosion bio\$1erod \$5 degrrad\$5 bio\$1degrad\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:39
S38	8	S34 same (erosion bio\$1erod \$5 degrad\$5 bio\$1degrad\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:39
S39	323	(poly\$1ester ester) near3 (hydrolysis hydrolyz\$5) near20 (releas\$4 produc\$5 generat \$5) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:41
S40	3	polymer\$3 near3 alpha \$1hydroxy\$1carboxylic near acid near9 (hydrolysis hydrolyz \$3) near9 acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:46
S41	O	polymer\$3 near3 alpha \$1hydroxy\$1carboxylic near acid near9 (polyester ester poly\$1ortho\$1ester) near20 (hydrolysis hydrolyz\$3) near9 acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:49
S42	2	polymer\$3 near3 alpha \$1hydroxy\$1carboxylic near acid same (polyester ester poly \$1ortho\$1ester) near20 (hydrolysis hydrolyz\$3) near9 acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:49

S43	47	"6817414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:50
S44	21	"6817414" and releas\$4 near3 acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 18:51
S46	188	"6488091"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:08
S47	5	("496166" "4809783").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:31
S48	145	"4829100"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:37
S49	41	((RAJESH) near2 (SAINI)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 19:40
S50	169	((BRADLEY) near2 (TODD)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 19:41
S51	197	S49 S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:41
S52	118	S51 and (gravel particulate particle proppant).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:42
S53	28	S51 and ((gravel particulate particle proppant) and acid near9 (releas\$4 hydrol\$7)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:43

S54	4	S51 and ((gravel particulate particle proppant) and acid and on-the-fly).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:45
S55	1	S51 and ((gravel particulate particle proppant) and degrad \$5 near3 (filter near cake) and on-the-fly).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:48
S56	18	\$51 and ((gravel particulate particle proppant) and degrad \$5 near3 (filter near cake)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:49
S57	6	S51 and ((gravel particulate particle proppant) and hydroly \$7 and degrad\$5 near3 (filter near cake)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:50
S58	9	\$51 and ((gravel particulate particle proppant) and ((acid near releas\$5) acid-releas\$5) and degrad\$5 near3 (filter near cake)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 19:51
S59	4	("6209643" "6817414").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 20:23
S60	47	"6817414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 11:08
S61	2	"9425079"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 15:37
S62	11	"6689608"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 16:43

S63	116	poly\$2ortho\$2ester\$3 near20 hydroly\$6 near9 acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 16:47
S64	2	poly\$2ortho\$2ester\$3 near20 hydroly\$6 near9 (generat\$6 in- situ produce producing production releas\$4) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:32
S65	15	poly\$2ortho\$2ester\$3 same (generat\$6 in-situ produce producing production releas \$4) adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:33
S66	15	poly\$2ortho\$2ester\$3 same (acid-reles\$3 ((generat\$6 in- situ produce producing production releas\$4) adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:35
S67	139	\$7ortho\$2ester\$3 same (acid- reles\$3 ((generat\$6 in-situ produce producing production releas\$4) adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:36
S68	146	\$7ortho\$2ester\$3 same (acid- releas\$3 ((generat\$6 in-situ produce producing production releas\$4) adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:36
S69	654	\$7ortho\$2ester\$3 and (acid- releas\$3 ((generat\$6 in-situ produce producing production releas\$4) adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:40
S70	654	S69 not (Halliburton near Energy near Serveces).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:41
S71	146	\$7ortho\$2ester\$3 same (acid- releas\$3 ((generat\$6 in-situ produce producing production releas\$4) adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:44

S72	110	S71 not photolysis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:46
S73	64	S71 not (light photolysis photodecomposition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:50
S74	64	S73 not (Halliburton near Energy near Serveces)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:52
S75	6	S73 not Halliburton	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:52
S76	537	S69 not Halliburton	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:53
S77	117	S76 not (light photolysis photodecomposition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 17:53
S78	695	\$7ortho\$2ester\$3 and (acid- releas\$3 ((degrad\$6 bio \$1degrad\$5 generat\$6 in-situ produce producing production releas\$4) adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 18:00
S79	560	S78 not Halliburton	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 18:01
S80	122	S79 not (light photolysis photodecomposition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 18:01

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